



July 2016 Weather Digest

July 2016 Weather Summary

July turned out to be a bit of a disappointment as the Monsoon season never was able to get going despite a few false starts. The mid-latitude flow off the Pacific Ocean was able to persist longer into July than we normally witness. Most of our area received the bulk of their rainfall over the last half of the month, when some tropical moisture was able to briefly make it northward over the Borderland. Much of the area finished the month with about half their normal monthly rainfall or less. Only parts of the Boot heel up to the Black Range and then across parts of Sierra County experienced above normal rainfall. Despite the lack of rain, drought conditions did not worsen much at all.

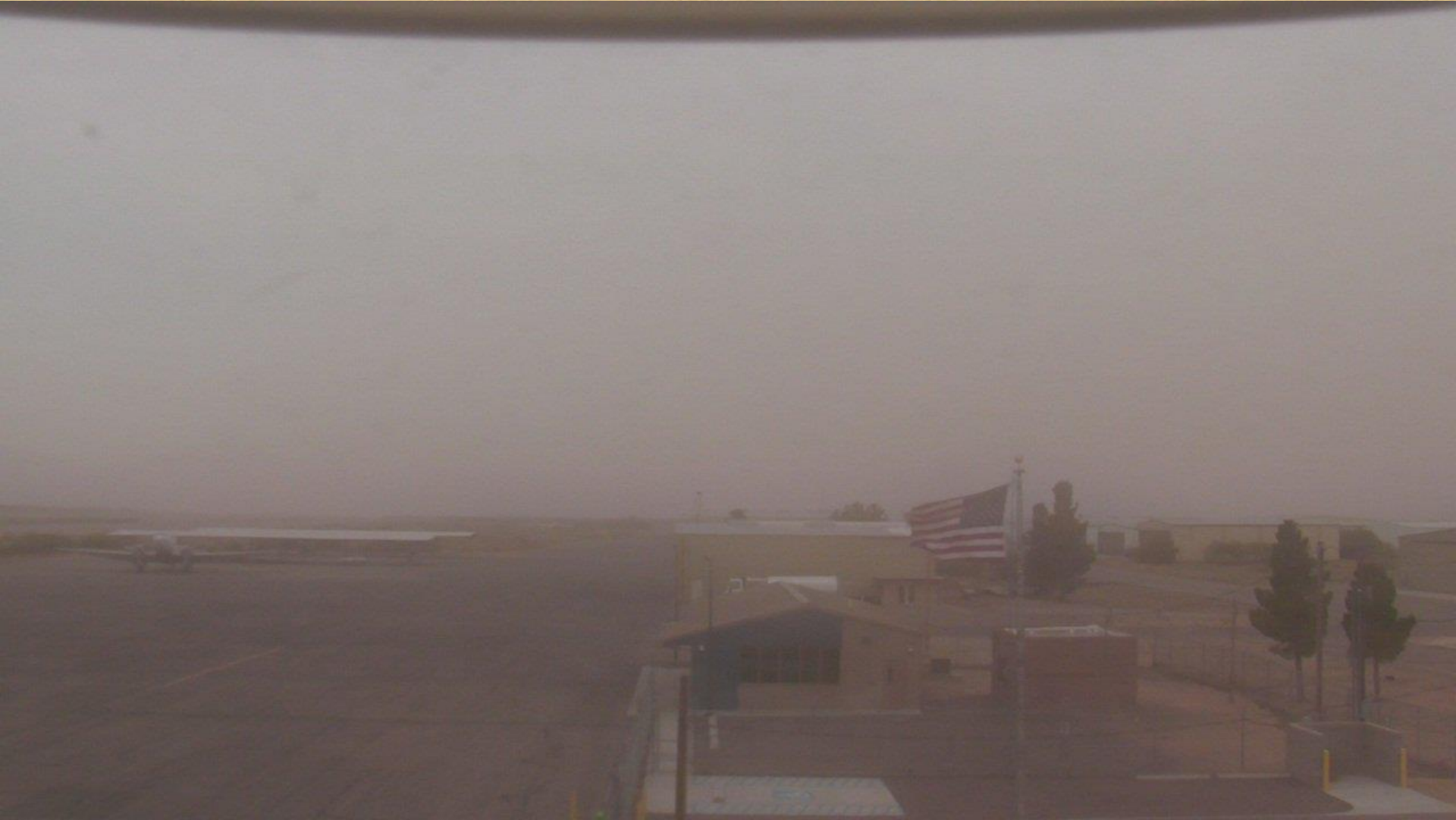
Normally if a summer month is drier than normal, that means temperatures are going to be hotter than normal, and this July was no exception to that rule. Average temperatures for July ranged about 3 to 5 degrees above normal. In fact El Paso International Airport recorded the all time record average temperature for July of 88.7 degrees, breaking the old record set back in 1994. Despite the record heat and dry conditions, the southern New Mexico wildfire season was not near as bad as it could have been. The Gila Region had several modest sized fires that were

July 2016 Weather Summary (cont'd)

unable to spread significantly in size. The Sacramento Mountains were also fortunate in that only one fire near Timberon grew to a significant size. If August has it's typical monsoon rainfall, the wildfire season usually ends, especially when mostly uneventful like this year.

The longer term looks a bit bleak as we head into the fall and the prospect of a weak La Niña pattern. This could prove to be a dry fall and winter, which then could lead to harsh wildfire conditions next year.

Haboob Santa Teresa July 1



El Paso July 7



La Union July 9



Hailstorm Cloudcroft July 9



July 13

**Timberon wildfire
estimated at 200
acres**



WILDFIRE IN TIMBERON, NM

Very destructive wildfire in Timberon



**Smoke seen on
Radar & Satellite
imagery**

**Otero county
reports fire at
100 ac.**

**Reports indicate
10 homes burned
along with
2 fire engines.**



Image courtesy of Timberon Development Council Webcam

Near Animas July 17



Gila Wilderness Fire July 22



July 24 near El Paso



Haboob July 27 near Lordsburg

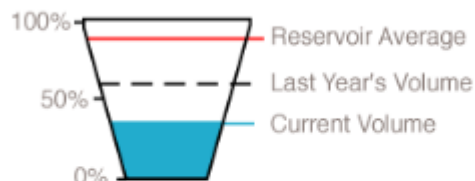
502pm: Drivers on I10 btwn Steins and
#Lordsburg watch out for the wall of dust.
Visibilities will be reduced. #NMwx



Elephant Butte at 14% Capacity

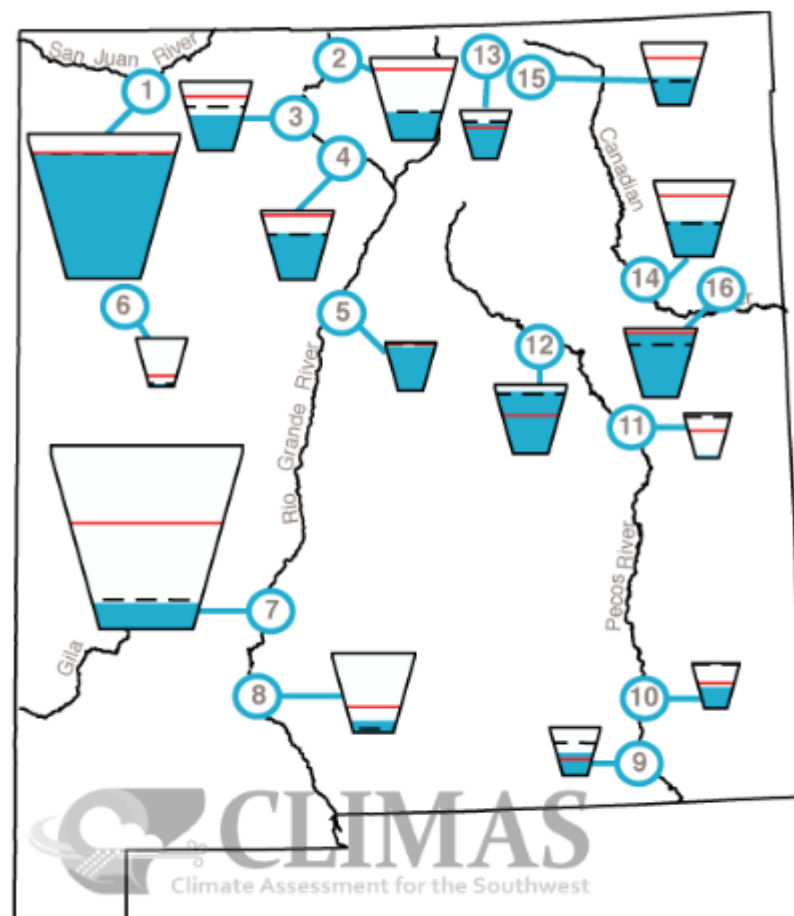
New Mexico Reservoir Volumes

Legend



size of cups is
representational of reservoir
size, but not to scale

Reservoir	Capacity	Current Storage*	Max Storage*	One-Month Change in Storage*
1. Navajo	85%	1,437.1	1,696.0	-112.3
2. Heron	34%	135.8	400.0	30.4
3. El Vado	51%	96.8	190.3	-6.8
4. Abiquiu	67%	124.6	186.8**	-22.5
5. Cochiti	92%	46.1	50.0**	-2.1
6. Bluewater	5%	1.9	38.5	-0.2
7. Elephant Butte	14%	298.3	2,195.0	-12.2
8. Caballo	15%	51.1	332.0	-19.8
9. Lake Avalon	47%	2.1	4.5**	-0.3
10. Brantley	46%	19.4	42.2**	-8.8
11. Sumner	6%	2.2	102.0**	-27.1
12. Santa Rosa	90%	95.0	105.9**	-10.0
13. Costilla	74%	11.9	16.0	0.1
14. Conchas	46%	116.1	254.2	-4.8
15. Eagle Nest	44%	35.0	79.0	-0.4
16. Ute Reservoir	93%	186	200	1.0



* in KAF = thousands of acre-feet

**Reservoirs with updated "Max Storage"

Figure 2. New Mexico reservoir volumes for end of June as a percent of capacity. The map depicts the average volume and last year's storage for each reservoir. The table also lists current and maximum storage, and change in storage since last month.

From El Paso Times

Four people have died from heat-related illnesses as El Paso swelters in a string of 100-degree days, the city Public Health Department said Tuesday.

City public health officials urged residents to protect themselves from the heat as a streak of 16 consecutive days of 100 or hotter came to an end Tuesday even as the unusually hot weather is forecast to simmer back by the weekend.

"This is a heartbreaking scenario considering the fact that most heat-related deaths are preventable,"

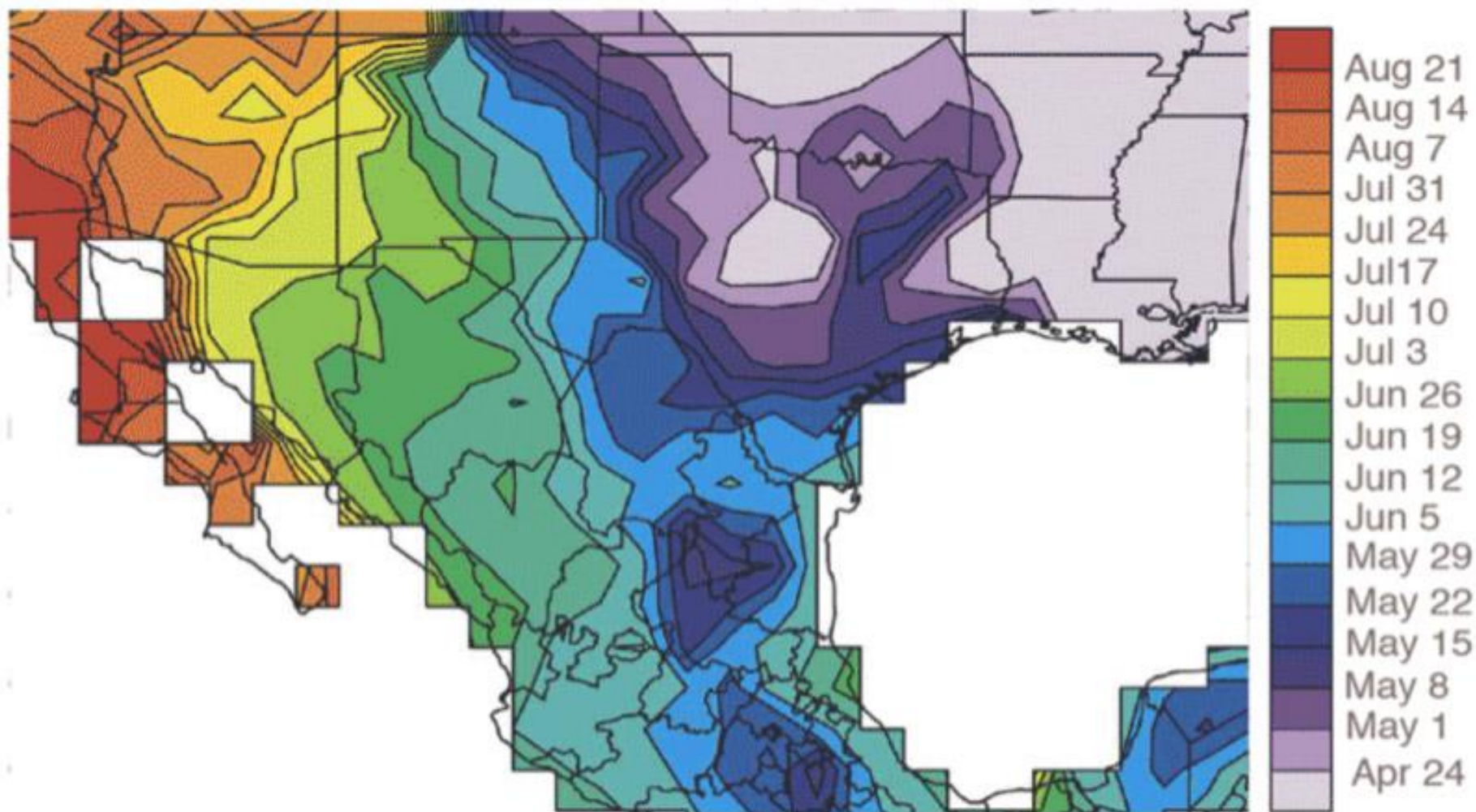
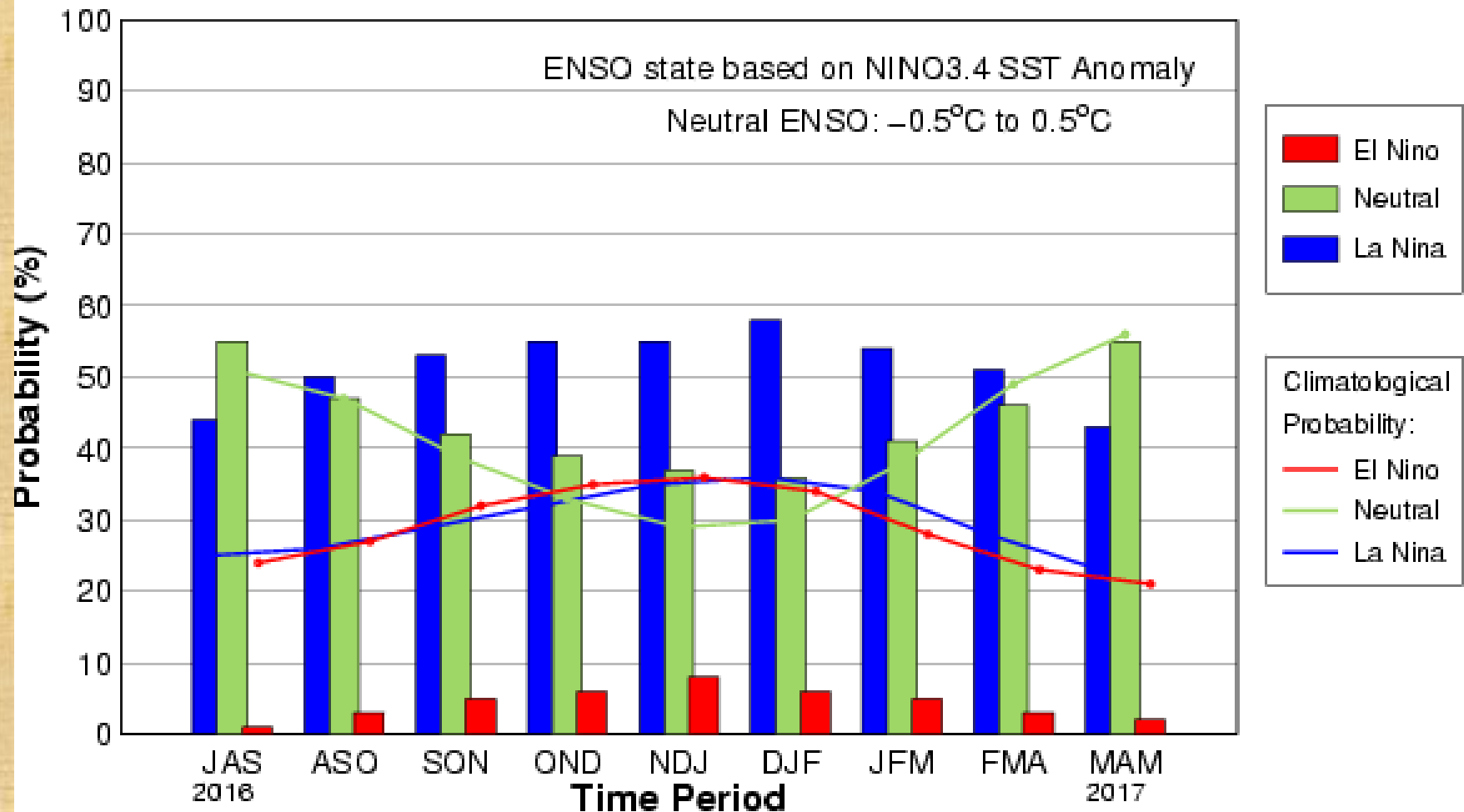


Figure 1: Historical Monsoon Onset Date

ENSO Forecast from July through the winter of 2016

ENSO IS NOW IN NEUTRAL STAGE. LIKELY GOING TO LA NIÑA EARLY THIS FALL

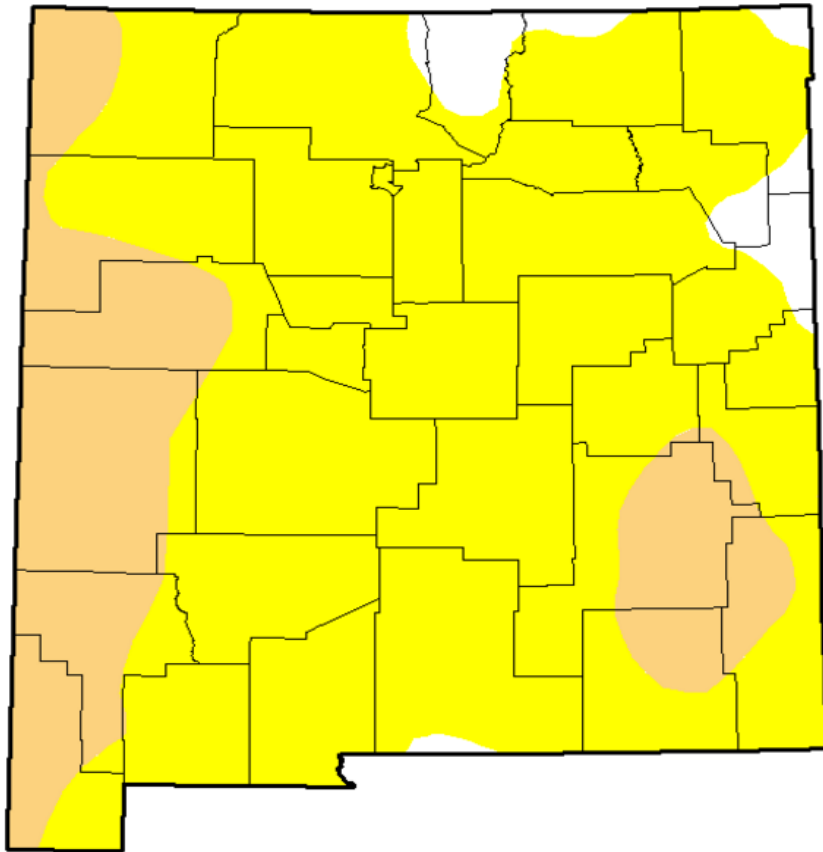
Mid-Jul IRI/CPC Model-Based Probabilistic ENSO Forecast



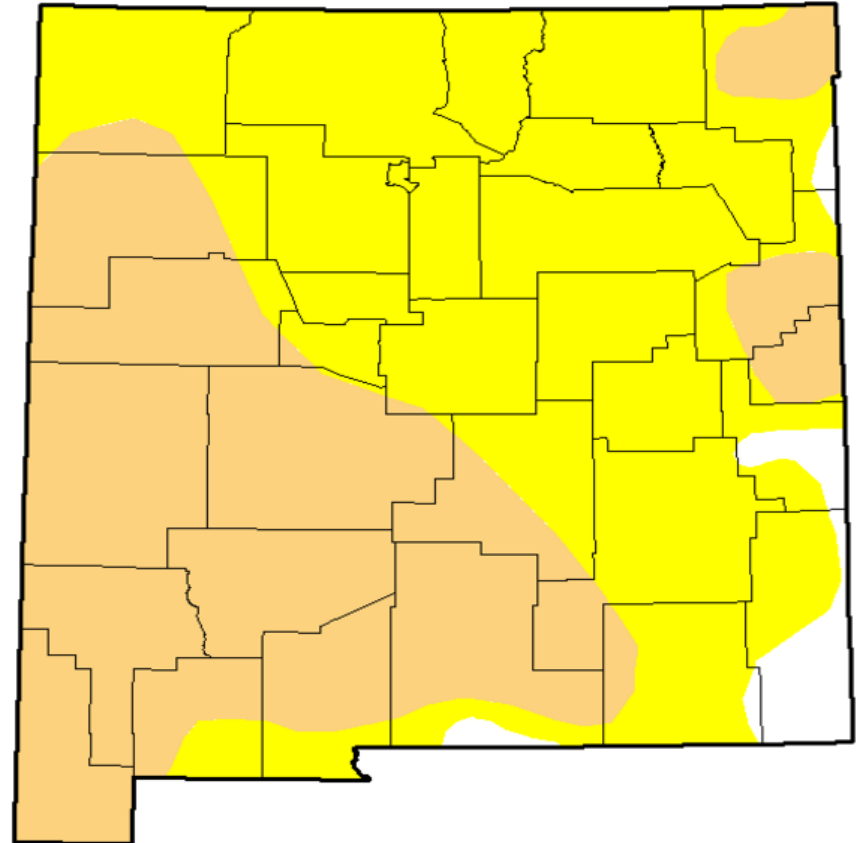
Current drought conditions for New Mexico and 3 month change

- Abnormally Dry – D0
- Moderate Drought – D1
- Severe Drought – D2
- Extreme Drought – D3
- Exceptional – D4

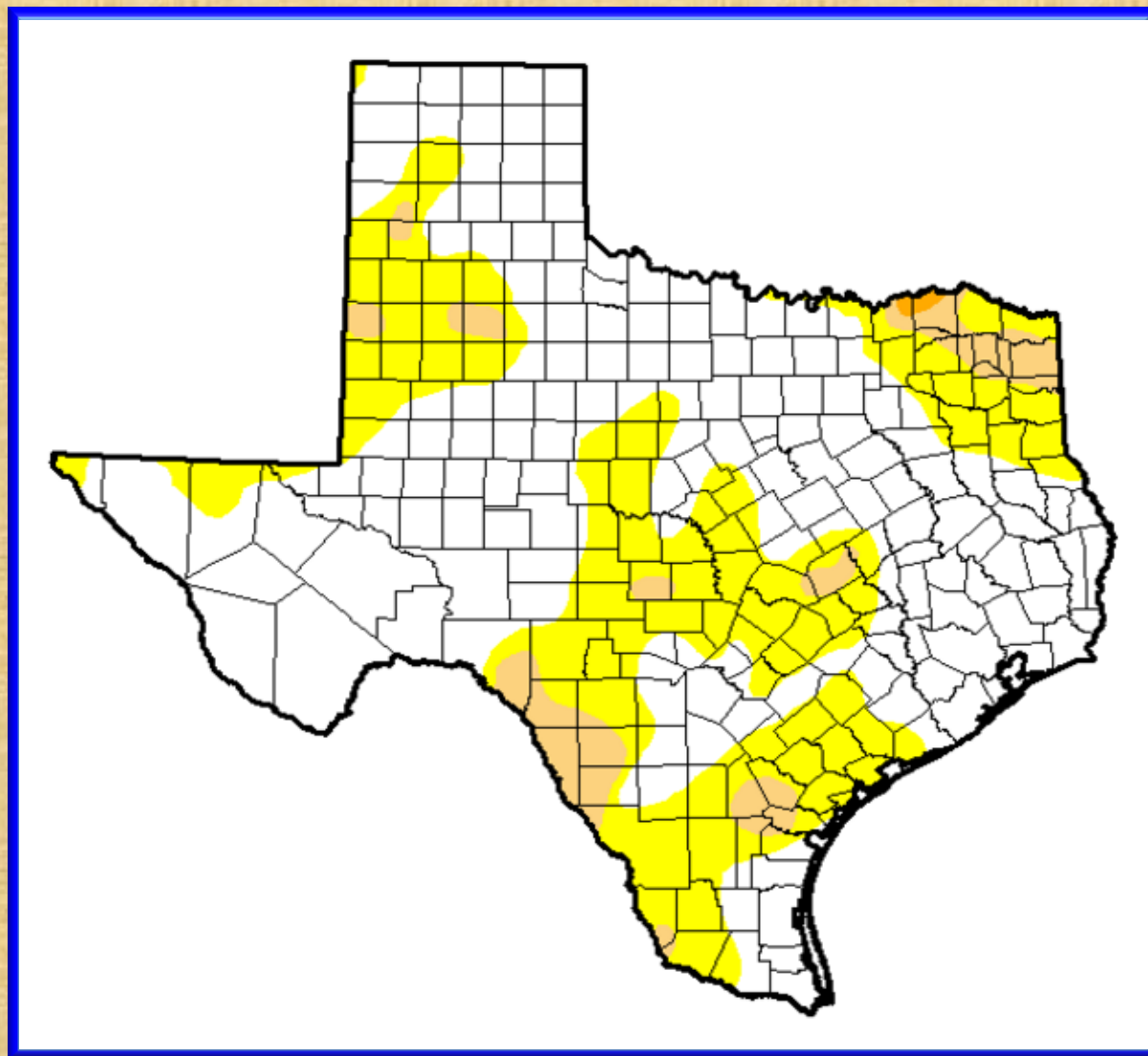
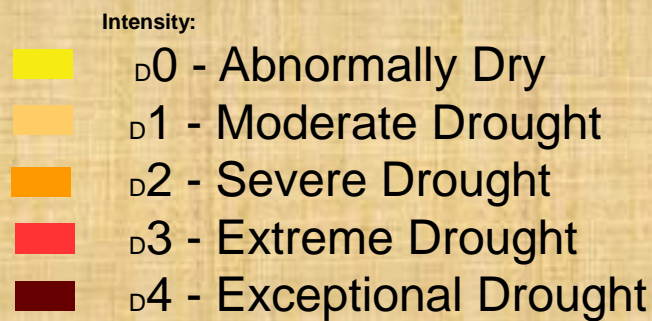
July 26, 2016



April 26, 2016



Current drought conditions for Texas as of July 26, 2016



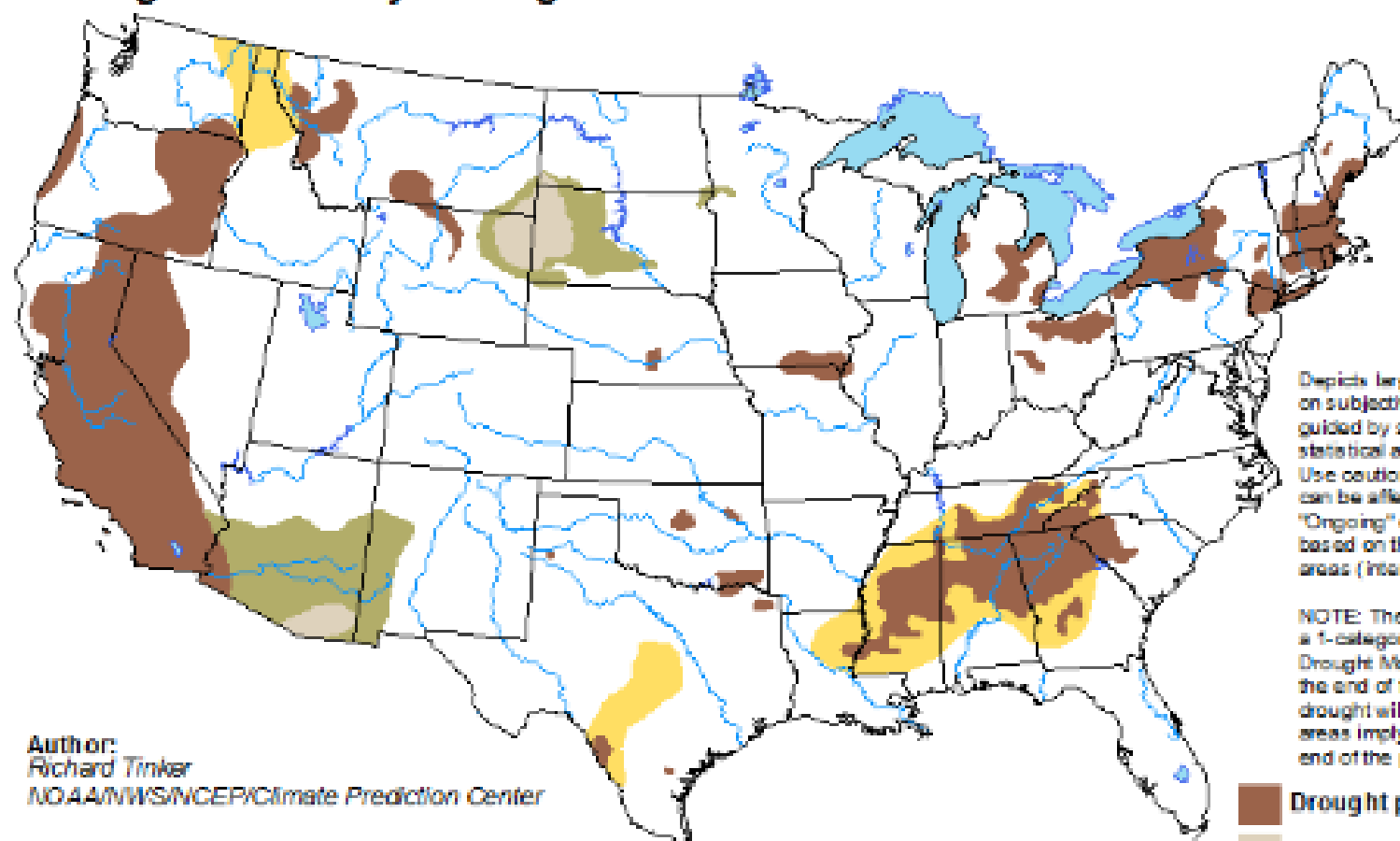
Build your own custom slider maps here at:

<http://droughtmonitor.unl.edu/MapsandData/ComparisonSlider.aspx>

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period





Valid for July 21 - October 31, 2016
Released July 21, 2016

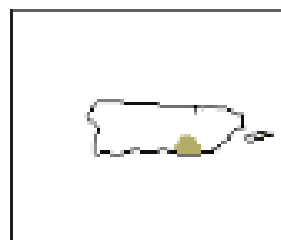
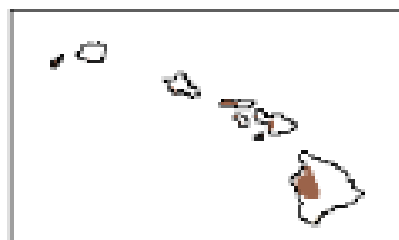
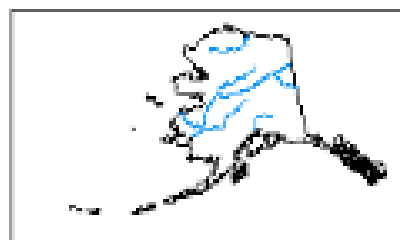


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Richard Tinker
NOAA/NWS/NCEP/Climate Prediction Center

-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



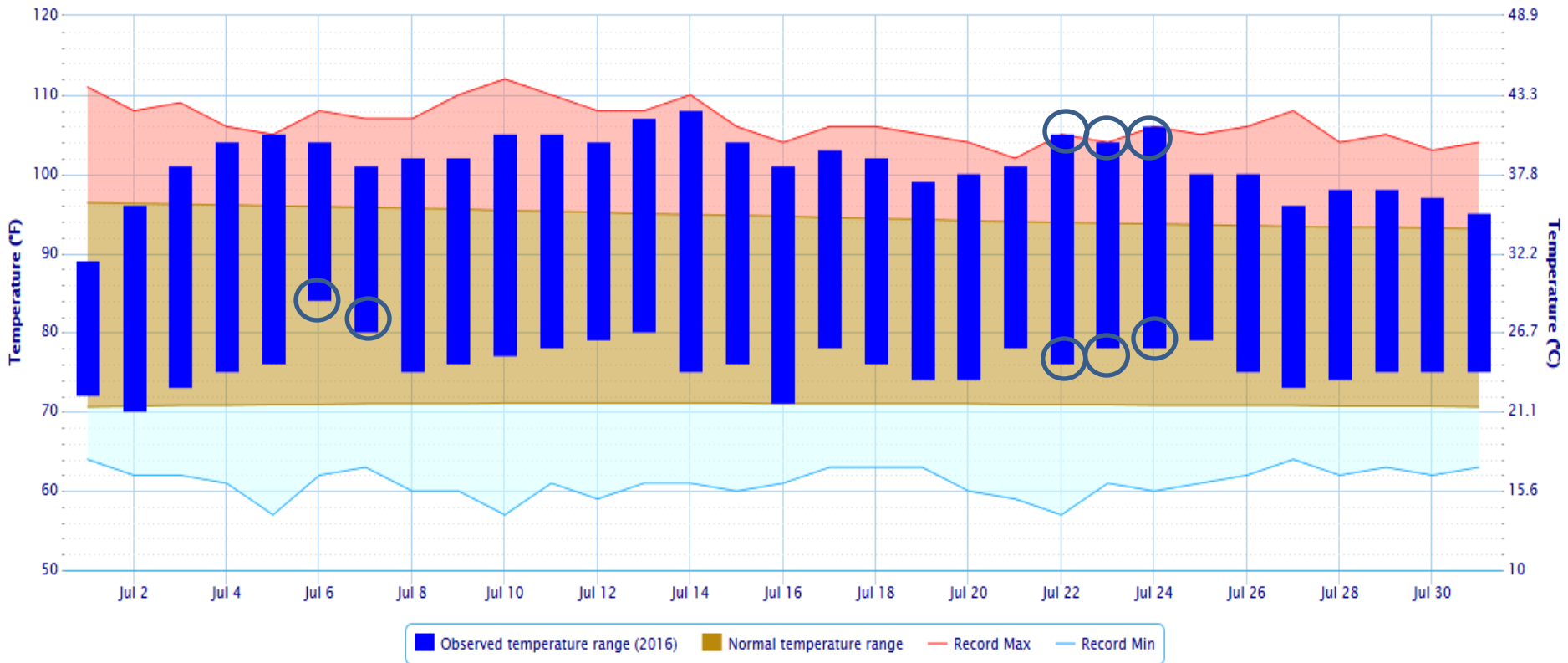
<http://go.usa.gov/3eZ73>

Daily temperature data for July 2016 in El Paso

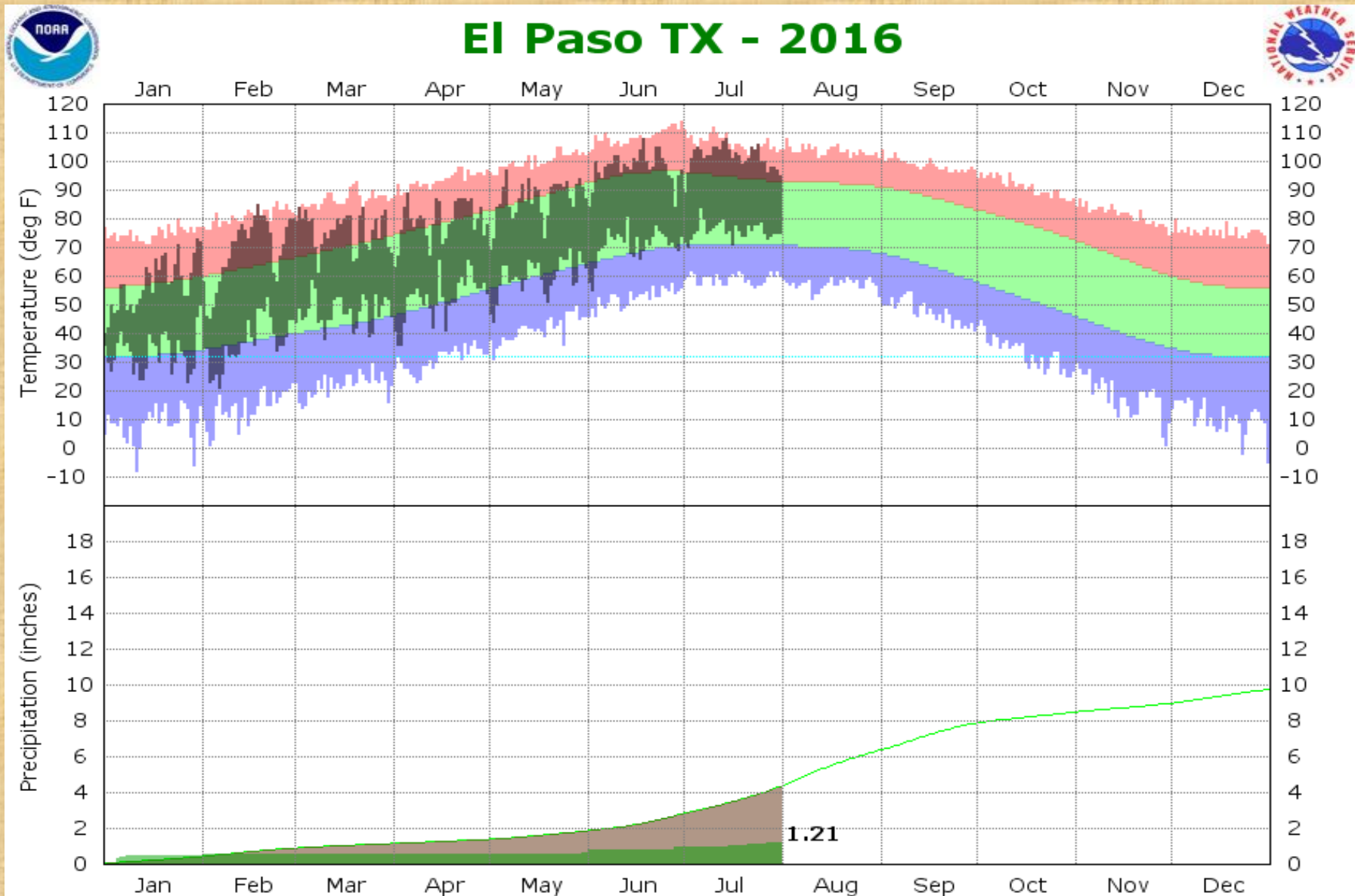
Daily Temperature Data - EL PASO INTL AP, TX

Period of Record - 1942-12-01 to 2016-08-03. Normals period: 1981-2010. Click and drag to zoom chart.

○ = RECORD

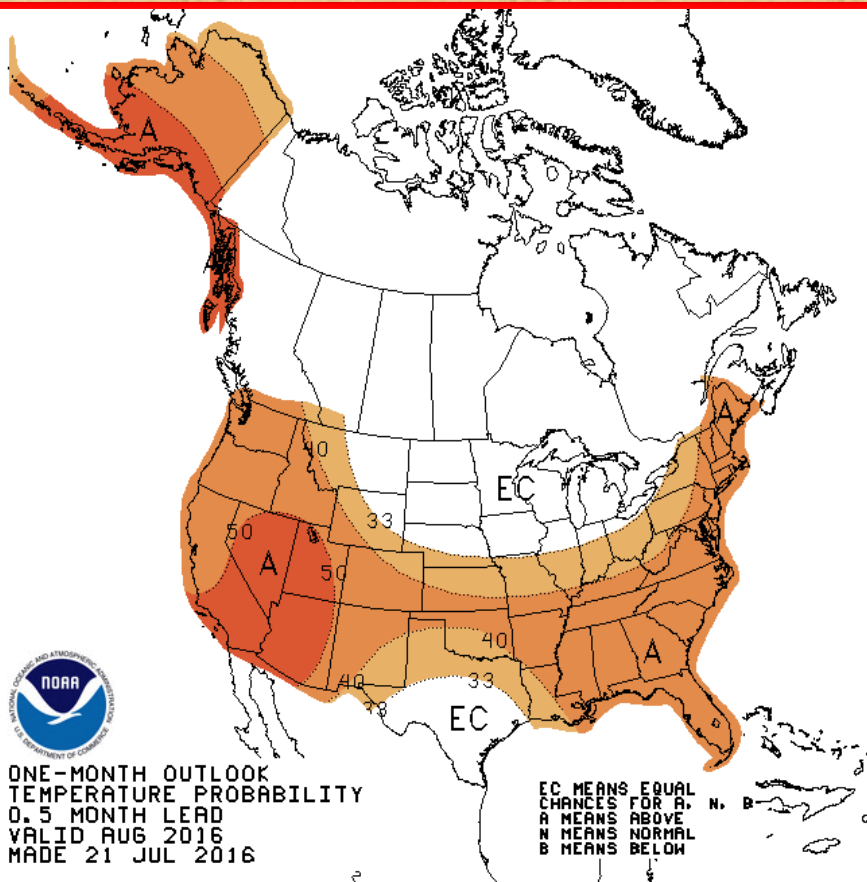


Daily temperature/precipitation data YTD through July in El Paso

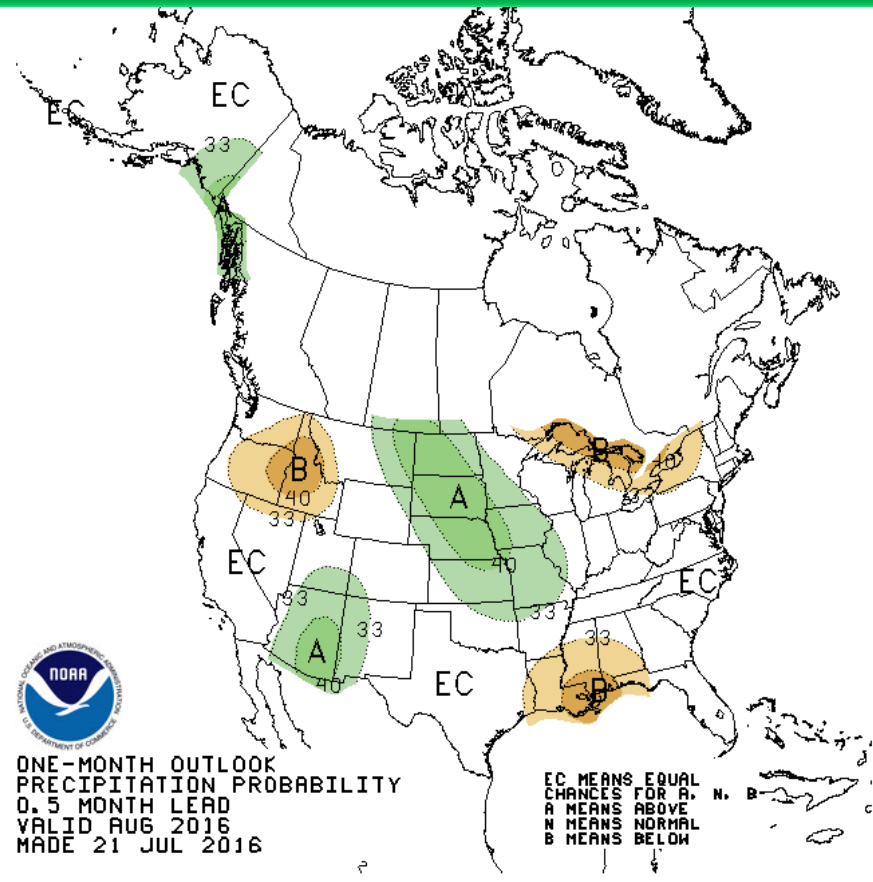


Temperature and precipitation outlook for August 2016

Temperature

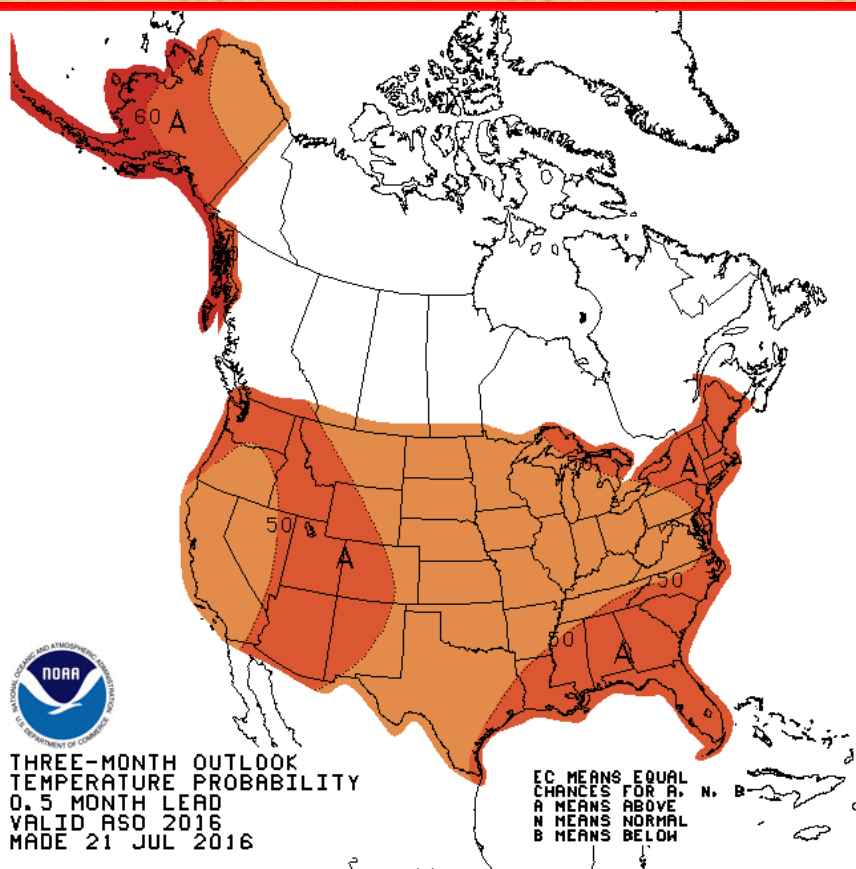


Precipitation

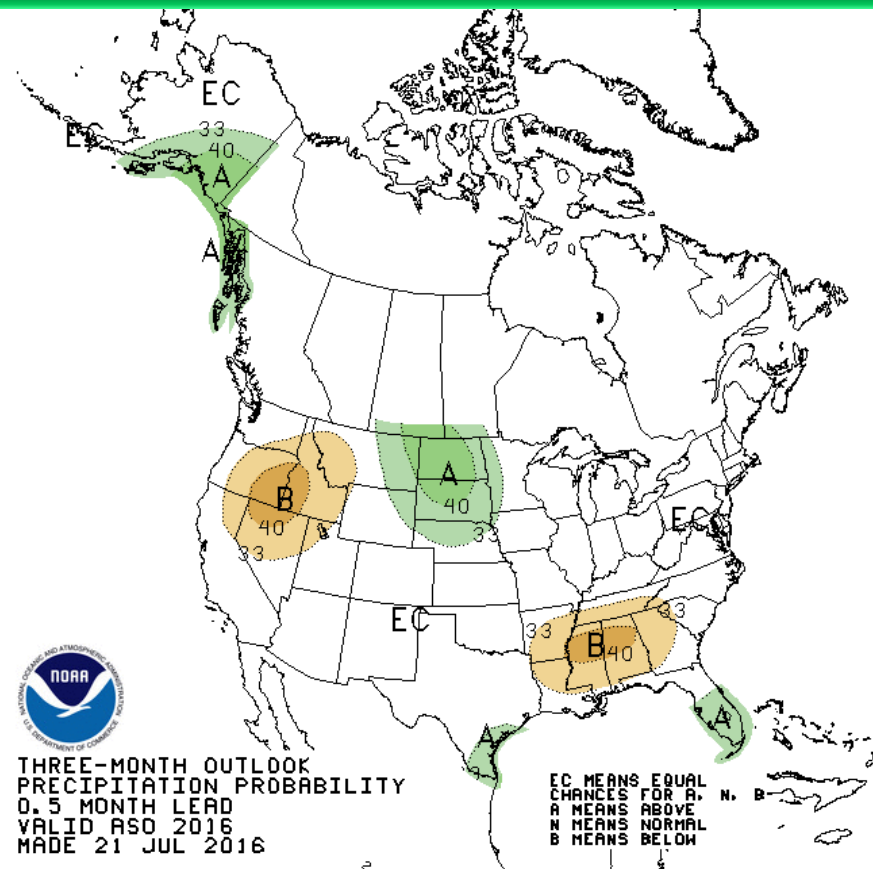


Temperature and precipitation outlook For Aug – Oct 2016

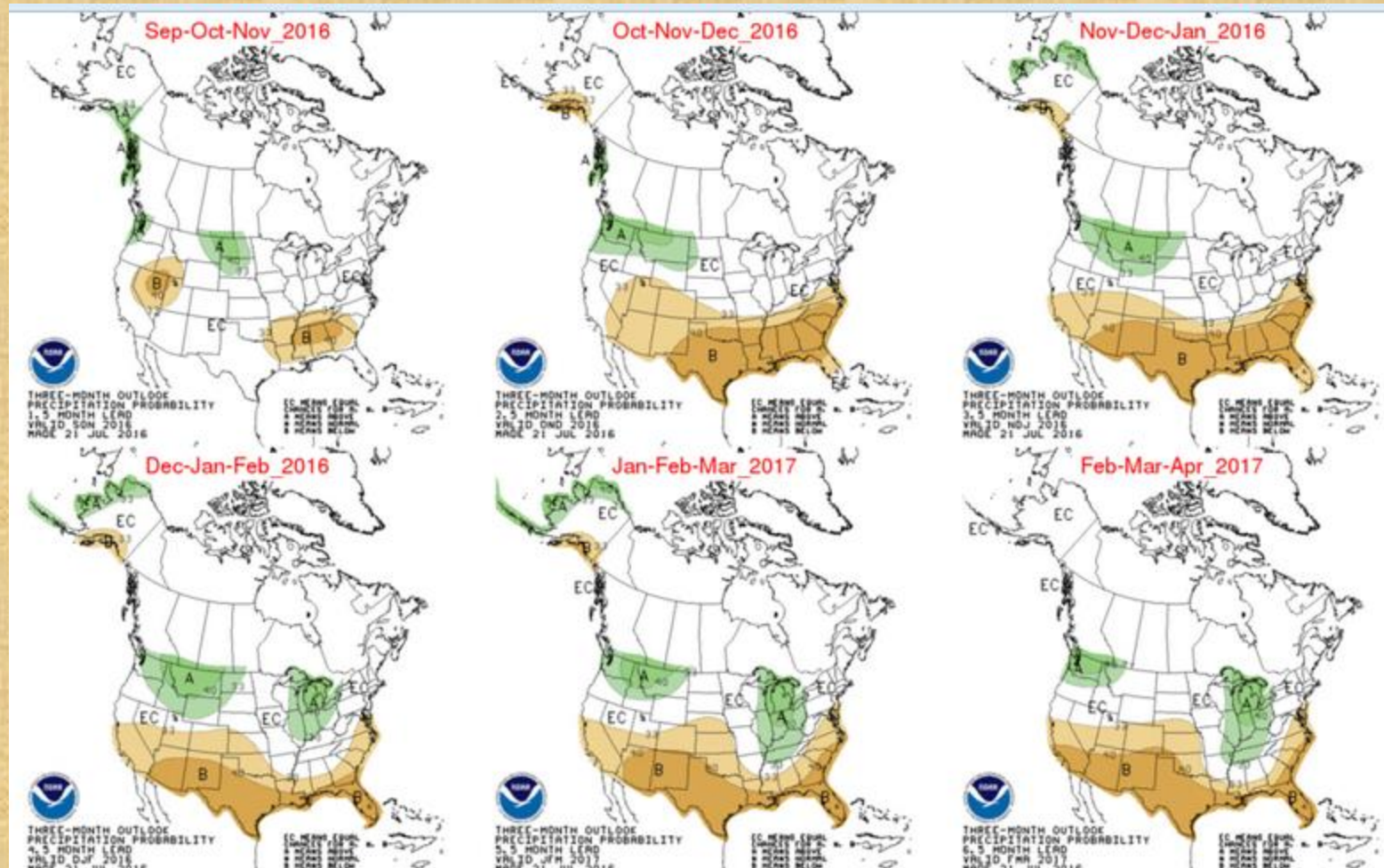
Temperature



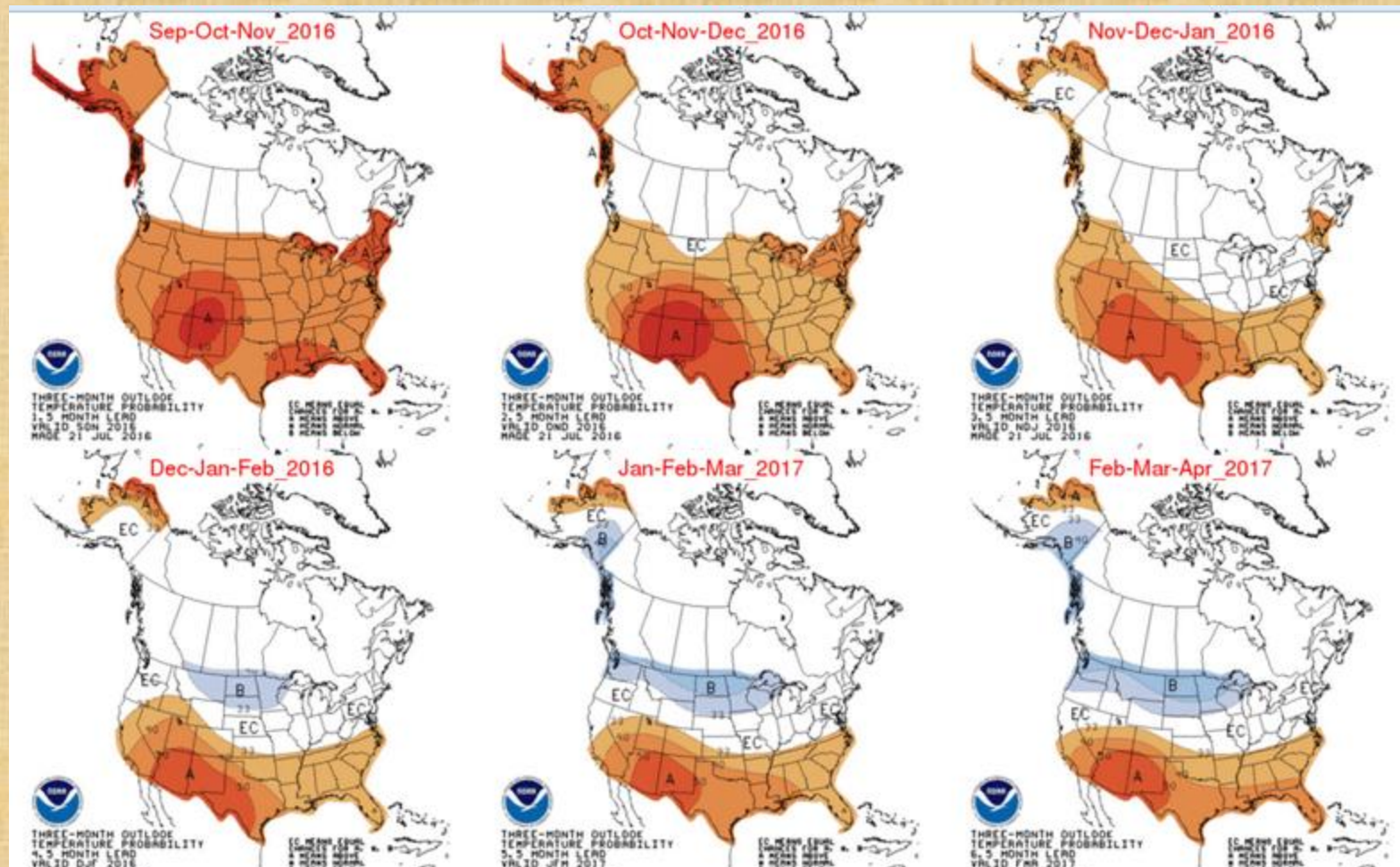
Precipitation



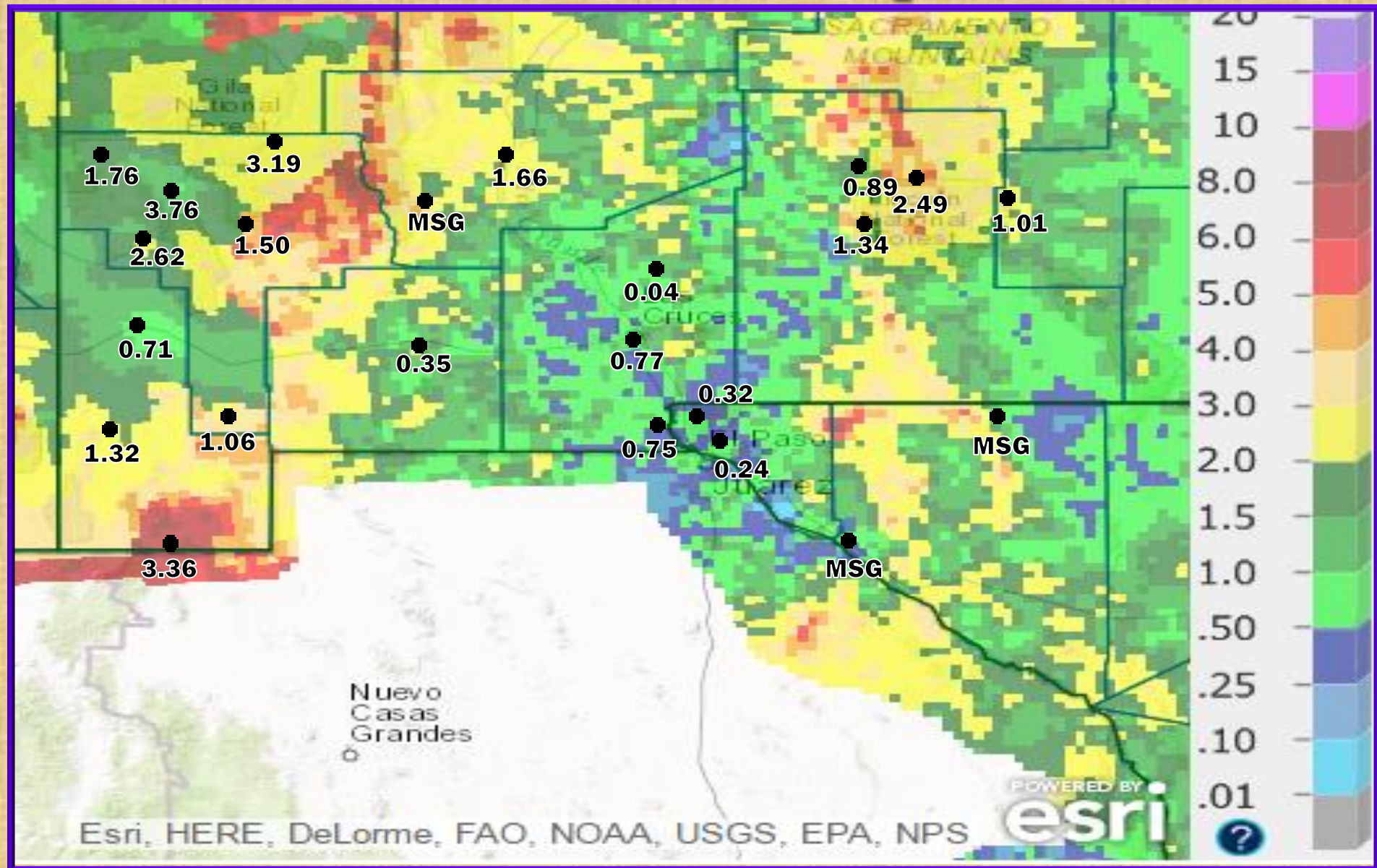
PRECIPITATION OUTLOOK THROUGH APRIL 2017 FROM THE CLIMATE PREDICTION CENTER



TEMPERATURE OUTLOOK THROUGH APRIL 2017 FROM THE CLIMATE PREDICTION CENTER

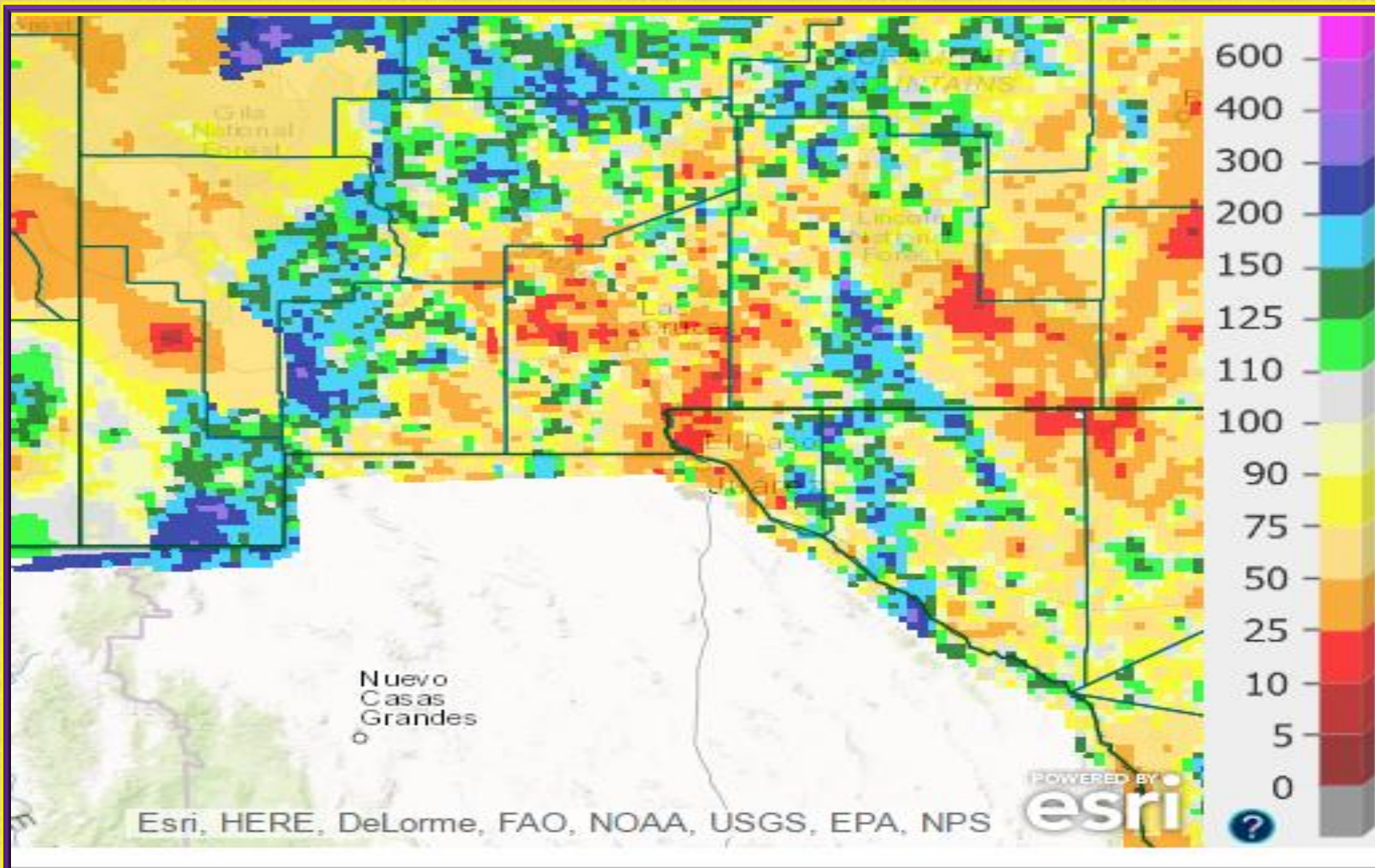


July 2016 radar rainfall estimate with surface rainfall reports

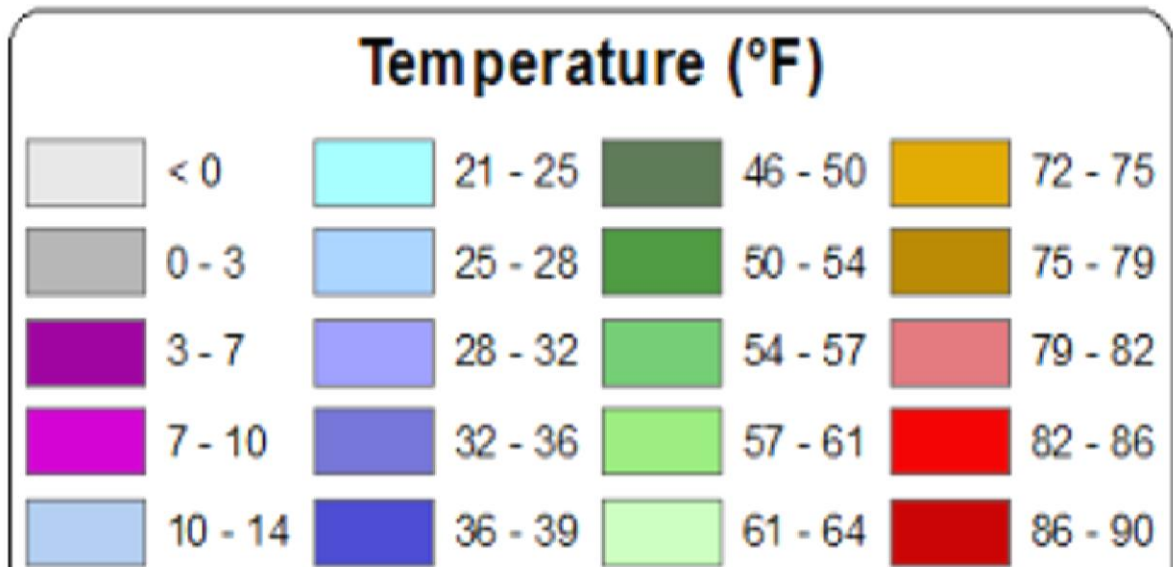
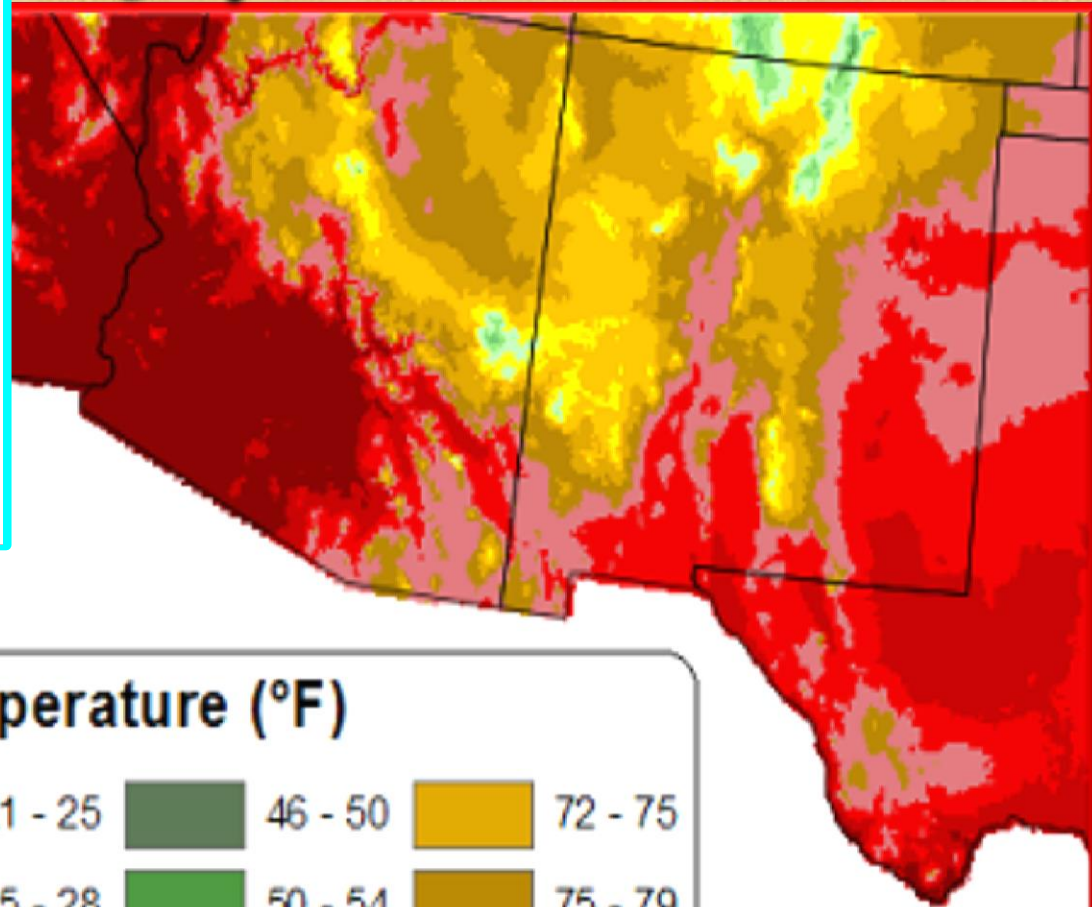
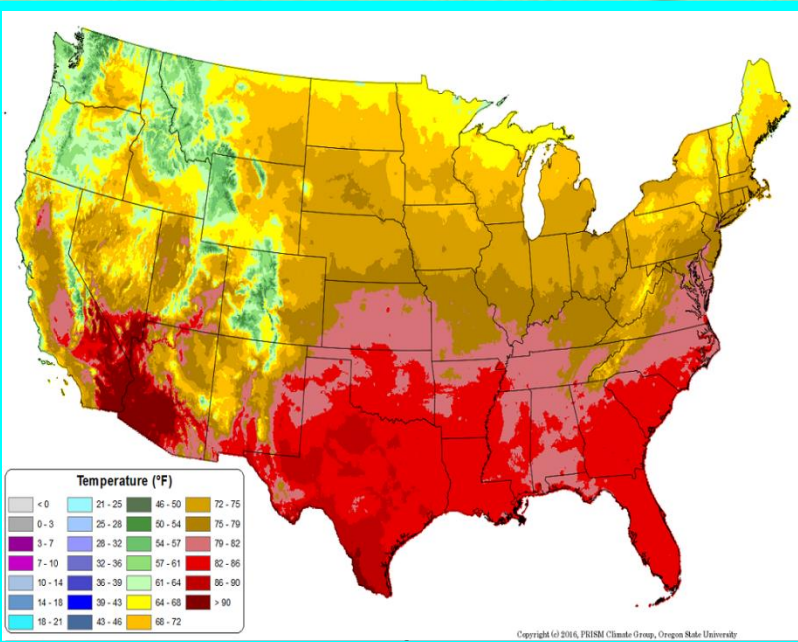


July 2016 Radar Rainfall Estimate

(Percent of normal)



Average Daily Mean Temperature for July 2016

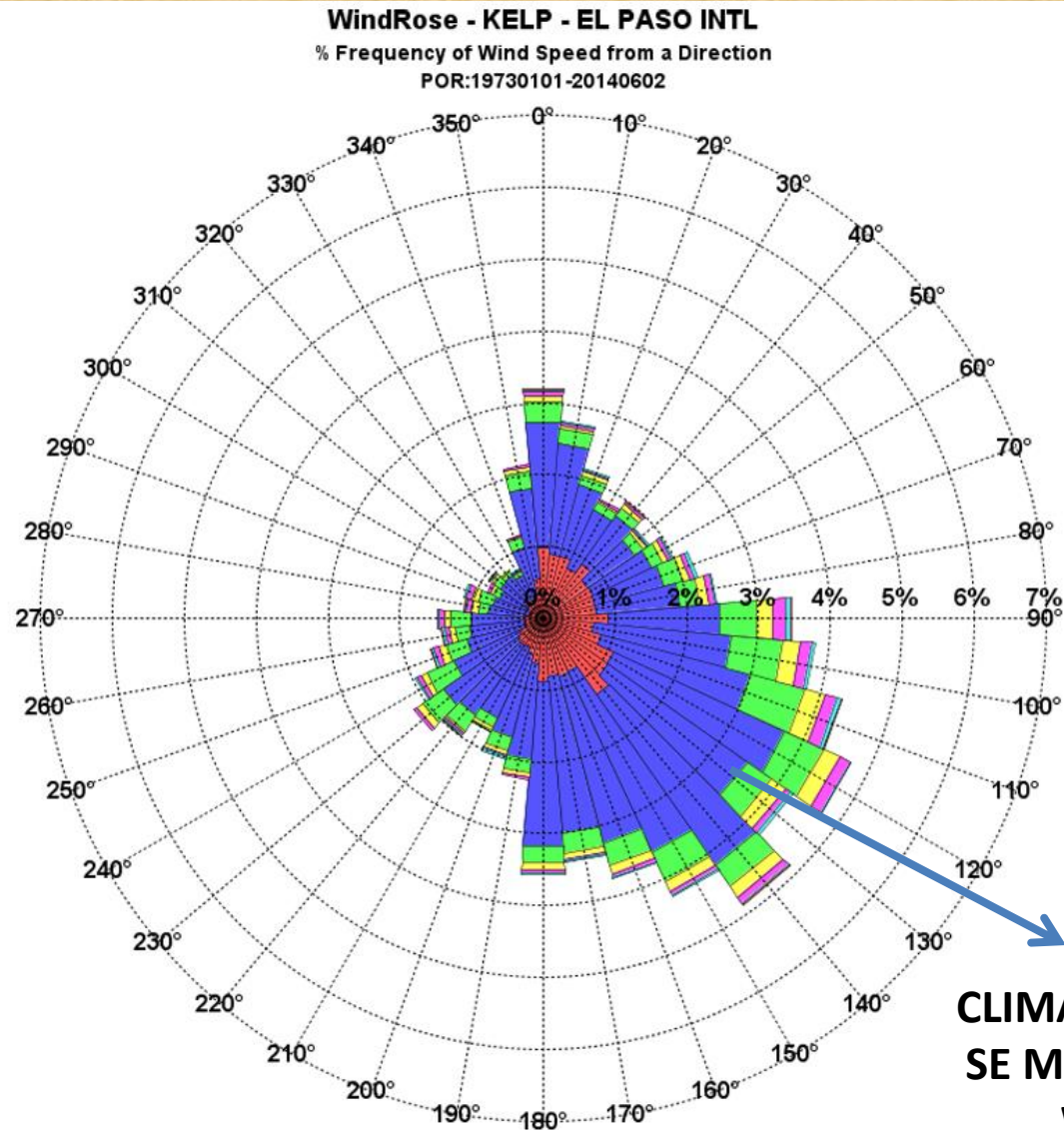


Copyright (c) 2016
PRISM Climate Group
Oregon State University

Special Features

<http://www.srh.noaa.gov/epz/?n=elpwindrosedata>

Month: JULY
Calm: 9.05%
Variable: 4.23%



Selected weather reports July 2016

Date/Time	Location (County)	Event
JULY 9 220 PM	2 SE CLOUDCROFT-OTERO	0.75 INCH HAIL
JULY 9 222 PM	1 SSE CLOUDCROFT-OTERO	0.88 INCH HAIL
JULY 10 614 PM	7 SW AKELA-LUNA	FLOODING RAINS
JULY 15 602 PM	FABENS-EL PASO	0.50 INCH HAIL
JULY 19 1034 PM	GRANT CO MUNI AIRPORT-GRANT	61 MPH WIND GUST
JULY 23 0345 PM	3 S SILVER CITY-GRANT	1.10 INCHES OF RAIN IN 30 MIN
JULY 24 0930 PM	UTEP-EL PASO	1.09 INCHES OF RAIN IN 60 MIN
JULY 27 600 PM	CUCHILLO-SIERRA	THUNDERSTORM WIND DAMAGE
JULY 29 0630 PM	BUCKHORN-GRANT	1.43 INCHES OF RAIN
JULY 29 326 PM	GILA HOT SPRINGS-GRANT	0.50 INCH HAIL
JULY 29 326 PM	GILA HOT SPRINGS-GRANT	1.18 INCHES OF RAIN

Advanced instrumentation includes road runners



Home Site Map News Organization Search for: NWS All NOAA

Top News of the Day

The March Weather narrative is ready for viewing!

Tonight Monday

TONIGHT

Morning Lows

45 Silver City 40 T-Or-C 35 Cloudcroft 43 Alamogordo 38 Las Cruces 38 Deming 35 Lordsburg 35 Columbus 45 Ft. Hancock 43 El Paso 44 Sierra Blanca 38 Dell City

CLEAR & SEASONAL TEMPS

WEST SOUTHWEST WINDS, 5 to 10 mph.

PM, MDT Sun Apr 3 2016 National Weather Service El Paso, TX

Watches & Warnings Observations Forecast Graphics Rivers & Lakes Climate Español

Click on the map below for the latest forecast.

Truth Or Consequences Cloudcroft Alamogordo Hatch Orogrande El Paso Fabens Sierra Blanca

Read watches, warnings & advisories

Fire Weather Watch

Hazardous Weather Outlook

Zoom Out

Don't Forget-Current and all past issues of our Weather Digest are available on our website at <http://www.srh.noaa.gov/elp/>

Just click on "Digest and Bulletin", then choose what month's Digest to view. Also, though discontinued, don't forget to check out our back issues of Southwest Weather Bulletin.

National Weather Service Weather Forecast Office

El Paso, TX

Home Site Map News Organization Search for: NWS All NOAA

Local forecast by "City, St" or Zip Code

City, St Go

XML RSS Feeds

Current Hazards

Local

Nationwide

Outlooks

Road Conditions

Forecasts

Local

Forecast Discussion

Activity Planner

Graphical

Fire Weather

Aviation Weather

Current Weather

Observations

Satellite Images

Rivers/Lakes

Radar Imagery

Nationwide

El Paso

Holloman AFB

Climate

Local

National

More...

Drought

Weather Safety

Weather Radio

SKYWARN

Storm Ready

Monsoon Awareness

Spotter Training

Volunteer Programs

Other Items

Weather Calculator

Social Media Feeds

Weather Basics

Digest and Bulletin

Office Info

Research and Weather Events

Southern New Mexico and Far West Texas has a variety of weather from month to month. Conditions can range from extreme drought, to heavy flooding rains, from record breaking heat to bone chilling cold. Below you will find past weather highlights from the area that the NWS office in Santa Teresa NM covers. This area includes the following counties in New Mexico: Huidobro, Grant, Luna, Sierra, Doña Ana and Otero and the following counties in Texas: El Paso and Huidobro.

WEATHER DIGESTS AND BULLETINS

Weather Digest	Southwest Weather Bulletins
January	2005 Spring Fall
February	2006 Spring Fall
March	2007 Spring Fall
April	2008 Spring Fall
May	2009 Spring Fall
June	2010 Spring Fall
July	2011 Spring Fall
August	2012 Spring Fall
September	2013 Spring Fall
October	2014 Spring Fall
November	
December	